



Certificate of Analysis

Number: 2500-22080114-005A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Aug. 19, 2022

Station Name: NP P31-T34-34HC GPM
Station Number: 68011407
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/19/2022 07:29:10 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/04/2022 10:40
Sample Conditions: 164.66 psig, @ 82.26 °F
Method: GPA-2261M
Cylinder No: 2500-00814

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3214	0.389		GPM TOTAL C3+
Carbon Dioxide	2.4828	4.724		GPM TOTAL iC5+
Methane	70.2925	48.756		
Ethane	14.6779	19.082	3.941	
Propane	7.8601	14.985	2.174	
Iso-butane	0.8287	2.082	0.272	
n-Butane	2.2589	5.677	0.715	
Iso-pentane	0.4532	1.414	0.166	
n-Pentane	0.4734	1.477	0.172	
Hexanes Plus	0.3510	1.414	0.154	
	100.0000	100.000	7.594	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8018	3.2176
Calculated Molecular Weight	23.13	93.19
Compressibility Factor	0.9957	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1332	5141
Water Sat. Gas Base BTU	1309	5052
Comments: H2S Field Content 1.00 ppm		

Ryleigh Jacobs

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.